The Bitcoin pricing history data that I exported from Yahoo Finance was already fairly clean but in order to make it easier to use I decided to remove the unnecessary columns as well as rename the columns I needed. After looking at the structure of the data as well as plotting it I found that my date values were formatted as factors so I had to change those using the as.Date function. After successfully plotting my clean data I also found that the length of history blurred the more recent pricing changes since the price rose so rapidly in the last 2 years. In order to give better context to recent changes I decided to reduce the data’s time frame to only view prices from 2016 forward. To do this I went back to Yahoo Finance and exported the correct time frame.

library(tidyverse)

library(dplyr)

library(readr)

library(tidyr)

Bitcoin\_data <- read.csv("~/R/BTC-USD.csv")

str(Bitcoin\_data)

BC\_Data<- data.frame(Bitcoin\_data$Date, Bitcoin\_data$Adj.Close, Bitcoin\_data$Volume)

names(BC\_Data)<- c("Date", "Price", "Volume")

BC\_Date<- as.Date(Bitcoin\_data$Date)

View(BC\_Data)

ggplot(BC\_Data, aes(BC\_Date, Price))+

geom\_line()

write.csv(BC\_Data,"~/R/Bitcoin\_clean.csv" )